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Subject: RE: Sanitary System Incident Report Notification - Hull, MA - MA0101231 - 109 Spring Street
Date: Wednesday, October 14, 2020 6:00:35 PM
Attachments: [image003.png](#)

Good evening:

I apologize for the late notification today. I am sending this email to inform MassDEP Southeast Region and EPA Region 1 of a sewer system blockage issue that occurred yesterday. At approximately 9AM on 10/14/20 the sewer department received a call from a Town resident at 109 Spring Street, describing a sewer-like odor coming from their basement and a wet area around cracks in their basement concrete slab. W&C operations was notified and responded shortly after 10AM and inspected the area. Bill Boornazian, Assistant project Manager, agreed with the resident that cracking in the basement slab appeared to have both groundwater and a sewer-like smell weeping into the basement. The resident said it was not uncommon during rains such as the 2+ inches we received in Hull yesterday that day that groundwater would come into their basement. The plumbing and sewer service for the house did not appear to be an issue and piping was run above the basement slab exiting the front of the house on Spring Street.

The house and basement foundation for 109 Spring Street is directly adjacent to the 6-inch clay sewer main in Spring street. The operations staff opened the upstream MH on Spring Street (MH #20097) and found that it was surcharged, indicating a blockage downstream. This was been determined to be the root cause of the odors in the resident's basement. Calls were made following the sewer blockage for pumper truck and vactor/jetter truck assistance. The pumper truck [Rosano-Davis] arrived first to alleviate the surcharged area. Then the vactor truck company [National Water Main] arrived at 12:30 PM and worked with the operations staff to jet downstream manholes. The Town's push camera was used to locate the blockage. The blockage consisted of built-up debris and grease in the next segment of pipe downstream just before an unusual pipe transition in the street in which a pipe size reduction was made without the typical use of a manhole. By 3PM all sewers in the area were functioning properly and cleaned out. The cause of the sanitary system overflow [SSO] was likely due to the presence of rags, debris and the poor hydraulics due to bends and small diameter pipes that appear prone to rainfall induced infiltration. Continued monitoring and maintenance will be done until such time as pipe rehabilitation/replacement can be done.

A follow-up and formal SSO report will be submitted within 5 days of the occurrence. In the meantime, should you have any questions please do not hesitate to contact me.

Sincerely,

Aram

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